

GPIO Muxed Pins

GPIO Mux Selection

ME461	LaunchPad	GPIO Mux Selection								
		GPIO Index	0,4,8,12	1	2	3	5	6	7	15
		GPyGMUXn	00,01,10,11	00b			01b			11b
Default	Pins	GPyMUXn	00b	01b	10b	11b	01b	10b	11b	11b
WIZNET RST	40/J4.10		GPIO0	EPWM1A				SDAA		
ESP8266 RST	39/J4.9		GPIO1	EPWM1B		MFSRB		SCLA		
4793PWM1	38/J4.8		GPIO2	EPWM2A			OUTXBAR1	SDAB		
4793PWM2	37/J4.7		GPIO3	EPWM2B	OUTXBAR2	MCLKRB	OUTXBAR2	SCLB		
Pushbotton1	36/J4.6		GPIO4	EPWM3A			OUTXBAR3	CANTXA		
Pushbotton2	35/J4.5		GPIO5	EPWM3B	MFSRA	OUTXBAR3		CANRXA		
Pushbotton3	80/J8.10		GPIO6	EPWM4A	OUTXBAR4	EXTSYNCOU	EQEP3A	CANTXB		
Pushbotton4	79/J8.9		GPIO7	EPWM4B	MCLKRA	OUTXBAR5	EQEP3B	CANRXD		
JoyPushBtn	78/J8.8		GPIO8	EPWM5A	CANTXB	ADCSOCOA	EQEP3S	SCITXDA		
DAN28027 CS	77/J8.7		GPIO9	EPWM5B	SCITXDB	OUTXBAR6	EQEP3I	SClrxDA		
DRV1PWM	76/J8.6		GPIO10	EPWM6A	CANRXB	ADCSOCBO	EQEP1A	SCITXDB		UPP-WAIT
DRV2PWM	75/J8.5		GPIO11	EPWM6B	SClRXDB	OUTXBAR7	EQEP1B	SClRXDB		UPP-START
CANTXB	J12		GPIO12	EPWM7A	CANTXB	MDXB	EQEP1S	SCITXDC		UPP-ENA
RCServo1	74/J8.4		GPIO14	EPWM8A	SCITXDB	MCLKXB		OUTXBAR3		UPP-D6
RCServo2	73/J8.3		GPIO15	EPWM8B	SClRXDB	MFSXB		OUTXBAR4		UPP-D5
BUZZER	33/J4.3		GPIO16	SPISIMOA	CANTXB	OUTXBAR7	EPWM9A		SD1_D1	UPP-D4
CANRXB	J12		GPIO17	SPISOMIA	CANRXB	OUTXBAR8	EPWM9B		SD1_C1	UPP-D3
SPICLKA/SPIRAM	4/J1.4		GPIO18	SPICLKA	SCITXDB	CANRXA	EPWM10A		SD1_D2	UPP-D2
SPIRAM CS	3/J1.3		GPIO19	SPISTEA	SClRXDB	CANTXA	EPWM10B		SD1_C2	UPP-D1
EQEP1A	J14		GPIO20	EQEP1A	MDXA	CANTXB	EPWM11A		SD1_D3	UPP-D0
EQEP1B	J14		GPIO21	EQEP1B	MDRA	CANRXB	EPWM11B		SD1_C3	UPP-CLK
LED1/PWM	8/J1.8		GPIO22	EQEP1S	MCLKXA	SCITXDB	EPWM12A	SPICLKB	SD1_D4	
WIZNET INT	34/J4.4		GPIO24	OUTXBAR1	EQEP2A	MDXB		SPISIMOB	SD2_D1	
LED8	51/J6.1		GPIO25	OUTXBAR2	EQEP2B	MDRB		SPISOMIB	SD2_C1	
LED9	53/J6.3		GPIO26	OUTXBAR3	EQEP2I	MCLKXB	OUTXBAR3	SPICLKB	SD2_D2	
LED10	52/J6.2		GPIO27	OUTXBAR4	EQEP2S	MFSXB	OUTXBAR4	SPISTEB	SD2_C2	
DRV1DIR	11/J2.1		GPIO29	SCITXDA	EMSDCKE		OUTXBAR6	EQEP3B	SD2_C3	
Board Blue LED			GPIO31	CANTXA	EM1WE		OUTXBAR8	EQEP3I	SD2_C4	
DRV2DIR	2/J1.2		GPIO32	SDAA	EM1CS0					
Board Red LED			GPIO34	OUTXBAR1	EM1CS2			SDAB		
SDAB/BQ32000	50/J5.10		GPIO40		EM1A2			SDAB		
SCLB/BQ32000	49/J5.9		GPIO41		EM1A3			SCLB		
SCITXDA	FTDI		GPIO42					SDAA		SCITXDA
SClRXDA	FTDI		GPIO43					SCLA		SClRXDA
GPIO52	48/J5.8		GPIO52	EQEP1S	EM1A12			SPICLKC	SD1_D3	
EQEP2A	J15		GPIO54	SPISIMOA	EM1D30	EM2D14	EQEP2A	SCITXDB	SD1_D4	
EQEP2B	J15		GPIO55	SPISOMIA	EM1D29	EM2D13	EQEP2B	SClRXDB	SD1_C4	
SCITXDC/ESP8266	44/J5.4		GPIO56	SPICLKA	EM1D28	EM2D12	EQEP2S	SCITXDC	SD2_D1	
EQEP2I	J15		GPIO57	SPISTEA	EM1D27	EM2D11	EQEP2I	SClRXDC (I)	SD2_C1	
SPISIMOA/SPIRAM	15/J2.5		GPIO58	MCLKRA	EM1D26	EM2D10	OUTXBAR1	SPICLKB	SD2_D2	SPISIMOA
SPISOMIA/SPIRAM	14/J2.4		GPIO59	MFSRA	EM1D25	EM2D9	OUTXBAR2	SPISTEB	SD2_C2	SPISOMIA
LED11	7/J1.7		GPIO60	MCLKRB	EM1D24	EM2D8	OUTXBAR3	SPISIMOB	SD2_D3	SPICLKA
LED12	19/J2.9		GPIO61	MFSRB	EM1D23	EM2D7	OUTXBAR4	SPISOMIB	SD2_C3	SPISTEA

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Default	Pins	GPyMUXn	00b	01b	10b	11b	01b	10b	11b	11b
SPISIMOB/9250	55/J6.5		GPIO63	SCITXDC	EM1D21	EM2D5	EQEP3B	CANTXA	SD2_C4	SPISIMOB
SPISOMIB/9250	54/J6.4		GPIO64		EM1D20	EM2D5	EQEP3S	SCIRXDA		SPISOMIB
SPICLKB/9250	47/J5.7		GPIO65		EM1D19	EM2D3	EQEP3I	SCITXDA		SPICLKB
MPU-9250 CS	59/J6.9		GPIO66		EM1D18	EM2D2		SDAB		SPISTEB
GPIO67	5/J1.5		GPIO67		EM1D17	EM2D1				
At Boot Select			GPIO72							
At Boot Select			GPIO84							
LED2	46/J5.6		GPIO94					SCIRXDD		
LED3	42/J5.2		GPIO95							
LED4	45/J5.5		GPIO97			EM2DQM0	EQEP1B			
EQEP1I	J14		GPIO99			EM2A1	EQEP1I			
SCITXDD	10/J1.10		GPIO104	SDAA		EM2A6	EQEP3A	SCITXDD		
SCIRXDD	9/J1.9		GPIO105	SCLA		EM2A7	EQEP3B	SCIRXDD		
LED5	6/J1.6		GPIO111			EM2BA0				
SPISIMOC/WIZNET	17/J2.7		GPIO122					SPISIMOC		
SPISOMIC/WIZNET	18/J2.8		GPIO123					SPISOMIC		
SPICLKC/WIZNET	13/J2.3		GPIO124					SPICLKC		
WIZNET CS	12/J2.2		GPIO125					SPISTEC		
LED6	57/J6.7		GPIO130						SD2_D1 (I)	
LED7	58/J6.8		GPIO131						SD2_C1 (I)	
SCIRXDC/ESP8266	43/J5.3		GPIO139					SCIRXDC (I)		
LED13	72/J8.2	PWMDAC3	GPIO157	EPWM7A (O)						
LED14	71/J8.1	PWMDAC4	GPIO158	EPWM7B (O)						
LED15	32/J4.2	PWMDAC1	GPIO159	EPWM8A (O)						
LED16	31/J4.1	PWMDAC2	GPIO160	EPWM8B (O)						

ADC and DAC LaunchPad Pins

23/J3.3	ADCIN14	CMPIN4P		J21.1	ADCIND0	COMIN7P	
24/J3.4	ADCINC3	CMPIN6N		J21.3	ADCIND1	CMPIN7N	
25/J3.5	ADCINB3	CMPIN3N		J21.5	ADCIND2	CMPIN8P	
26/J3.6	ADCINA3	CMPIN1N		J21.7	ADCIND3	CMPIN8N	
27/J3.7	ADCINC2	CMPIN6P					
28/J3.8	ADCINB2	CMPIN3P		Solder BNC	ADCIND4		
29/J3.9	ADCINA2	CMPIN1P		Solder BNC	ADCIND5		
30/J3.10	ADCINA0	DACA					
63/J7.3	ADCIN15	CMPIN4N					
64/J7.4	ADCINC5	CMPIN5N					
65/J7.5	ADCINB5						
66/J7.6	ADCINA5	CMPIN2N					
67/J7.7	ADCINC4	CMPIN5P					
68/J7.8	ADCINB4						
69/J7.9	ADCINA4	CMPIN2P					
70/J7.10	ADCINA1	DACB					